

Examples of Surfactants used in Loughborough Case 10

The following examples contained surfactants listed in either amount A or amount B, in the following general formulation:-

Salbutamol Sulphate (g)	0.012	
Surfactant (g)	A 0.005	B 0.012
Ethanol (g)	0.058	
P134a (g)	5.22	
	5 ml	

The surfactants tested and an indication of the amount are given below:-

1. Span 85	A, B.	16. Isopropyl myristate	B
2. Span 80	A.	17. Glyceryl trioleate	A, B
3. Span 20	A.	18. Glyceryl monolaurate	A.
4. Tween 20	A.	19. Glyceryl mono-oleate	A.
5. Tween 80	A.	20. Glyceryl monostearate	A.
6. Oleic acid	A, B.	21. Glyceryl monoricinoleate	A.
7. Epikuron 200	B.	22. Cetyl alcohol	A.
8. Synthetic lecithin	B.	23. Stearyl alcohol	B.
9. Brij 92	A.	24. Polyethylene glycol 400	B.
10. Brij 72	A.	25. Synperonic PE L61	A.
11. Brij 30	B.	26. Synperonic PE 264	A.
12. Genapol 0-020	A.	27. Synperonic PE L92	A.
13. Diethylene glycol dioleate	A.	28. Synperonic PE P94	A.
14. Tetrahydrofurfuryl oleate	A.	29. Cetyl pyridinium chloride	A.
15. Ethyl oleate	A.	30. FC 807 free acids	A, B
		31. No surfactant	

Nomenclature of Surfactants

1. Span 85	Sorbitan trioleate
2. Span 80	Sorbitan mono-oleate
3. Span 20	Sorbitan monolaurate
4. Tween 20	Polyoxyethylene (20) sorbitan monolaurate
5. Tween 80	Polyoxyethylene (20) sorbitan mono-oleate
7. Epikuron 200	is a natural lecithin
9. Brij 92	Oleyl polyoxyethylene (2) ether
10. Brij 72	Stearyl polyoxyethylene (2) ether
11. Brij 30	Lauryl polyoxyethylene (4) ether
12. Genapol 0-020	Oleyl polyoxyethylene (2) ether
25-28 Synperonics	Block copolymers of oxyethylene and oxypropylene
30. FC 807 free acids	consist mainly of a species, bis (perfluoro-n-octyl-N-ethyl sulphonamidoethyl) phosphate